

Mouse Monoclonal Antibody to SFTPC

Catalogue Number	sAP-0788
Target Molecule	<p>Name: SFTPC</p> <p>Aliases: SP-C; PSP-C; SFTP2; SMDP2</p> <p>MW: 21kDa</p> <p>Entrez Gene ID: 6440</p>
Description	This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a surface-active lipoprotein complex composed of 90% lipids and 10% proteins which include plasma proteins and apolipoproteins SPA, SPB, SPC and SPD. The surfactant is secreted by the alveolar cells of the lung and maintains the stability of pulmonary tissue by reducing the surface tension of fluids that coat the lung. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 2, also called pulmonary alveolar proteinosis due to surfactant protein C deficiency, and are associated with interstitial lung disease in older infants, children, and adults. Alternatively spliced transcript variants encode-
Immunogen	Purified recombinant fragment of human SFTPC (AA: 60-180) expressed in E. Coli.
Reactive Species	Human;
Clone	MM5E6A9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Am J Respir Cell Mol Biol. 2011 Sep;45(3):498-509. ; 2.J Biol Chem. 2009 Nov 27;284(48):33377-83. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**